UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 588
PLATE 10

T. 29 N.

Barbara J.
Baby Jim
Rialto
Birthday
Barbara J.
Mo. Mule
Midas
New Chicago No. 1
Federal
RIALTO BASIN
Domado
Fort Worth
Rialto
Barbara J.
New Chicago No. 2
29
28
No. 2
Admiralty
Douthat
Skelton
Admiralty
No. 4
Admiralty No. 1
Lavrion
Skelton
Admiralty
No. 3
Bull Frog
Craig
Wolverine
Eagle-Picher
Quebec
Montreal
Beck
John J. Craig
Craig
Craig
Wesley Smith
32
33
Van Pool
Hunt
George
Van Pool
John Hunt

T. 29 N.

EXPLANATION

Dolomitized areas in M and higher beds

Boundary dashed where inferred or generalized; queried, mainly in workings opened after fieldwork was completed

The dolomite mapped is coarse-grained massive gray spar, not the pink spar, which is slightly more widespread than the gray spar though commonly coextensive with it. Boundaries shown are extreme limits of the gray spar; hence colored areas may also include much jasperoid interbanded or intimately intermixed with gray spar. Included in colored areas are small local areas from which gray spar is excluded by "soap" (both residual clay and introduced Pennsylvanian shale), by limestone (small residual blocks protected from solution or dolomitization by shells of "soap"), and by chert (either residual after removal through solution of all calcareous material, or possibly in part new, formed by additional chertification)

The dolomite was less completely mapped on this plate than on plates 5, 6, and 7. Because of uncertainty as to the mapped record of dolomite distribution in several mines, the comparatively small amount of dolomite recorded on the field maps of the northwest quarter of the plate has been omitted

U
Fault
Dashed where inferred. U, upthrown side; D, downthrown side

D
Slump pipe
Dashed where inferred. U, upthrown side; D, downthrown side

675
Structure contours
Drawn on top of Grand Falls Chert Member of Boone Formation, equals top of N bed of Fowler and Lyden (1932). Dashed where inferred. Hachures indicate closed basin; only innermost contour in a continuous decreasing sequence is hachured. Contour interval 5 feet. Datum is mean sea level

E
Shaft

Workings in Chester strata and E bed of Fowler and Lyden (1932) (E bed is in Moccasin Bend Member of Boone Formation)

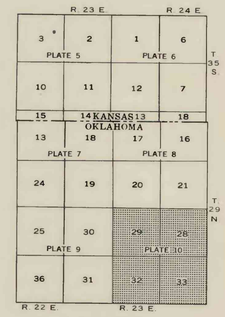
Workings in G and H beds (Moccasin Bend Member of Boone Formation)

Workings in K bed (Baxter Springs Member of Boone Formation)

Workings in M bed (Joplin Member of Boone Formation)

Workings in N bed "sheet ground" (Grand Falls Chert Member of Boone Formation)

Property tie



INDEX MAP

Base, underground workings, and classification of workings from Eagle-Picher Co., 1:3,600, 1956

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1969—G67364

Geologic features based on underground mapping, examination of drill cuttings, or interpretation of drill logs by C. C. Addison, K. R. Bowie, D. C. Brockie, H. M. Callaway, N. E. Eastmore, Jr., R. P. Fischer, P. K. Hurlbut, Andrew Kuklis, J. P. Lyden, E. T. McKnight, Curtis Templain, J. M. Thiel, and F. G. Wells, 1934–62

MAP SHOWING STRUCTURAL GEOLOGY AND DOLOMITIZED AREAS IN PART OF THE PICHER ZINC-LEAD FIELD, OKLAHOMA AND KANSAS; SOUTHEAST SHEET

500 0 500 1000 1500 2000 2500 FEET